

AMENDED

Nº 47029

APPLICATION FOR PERMIT

TO APPROPRIATE THE PUBLIC WATERS OF THE STATE OF NEVADA

Date of filing in State Engineer's Office. JUN 27 1983  
 Returned to applicant for correction. JUL 12 1983  
 Corrected application filed. SEP 8 1983  
 Map filed. SEP 8 1983

The applicant AMAX Exploration, Inc.

1707 Cole Boulevard, of Golden

Street and No. or P.O. Box No.

City or Town

Colorado 80401

State and Zip Code No.

, hereby make<sup>s</sup> application for permission to appropriate the public waters of the State of Nevada, as hereinafter stated. (If applicant is a corporation, give date and place of incorporation; if a copartnership or association, give names of members.) Incorporated in the State of Delaware, December 12, 1977 as AMAX Exploration and Development, Inc.; name changed on January 12, 1978 to AMAX Exploration, Inc.

1. The source of the proposed appropriation is underground - Well No. 56-29  
Name of stream, lake, spring, underground or other source

2. The amount of water applied for is 8.96 second-feet  
One second-foot equals 448.83 gals. per min.

(a) If stored in reservoir give number of acre-feet.

3. The water to be used for commercial power generation  
Irrigation, power, mining, manufacturing, domestic, or other use. Must limit to one use.

4. If use is for:

(a) Irrigation, state number of acres to be irrigated:

(b) Stockwater, state number and kinds of animals to be watered:

(c) Other use (describe fully under "No. 12. Remarks") geothermal production

(d) Power:

(1) Horsepower developed:

(2) Point of return of water to stream:

5. The water is to be diverted from its source at the following point: SW¼ SE¼ Section 29, T.1N., R.38½E.,  
Describe as being within a 40-acre subdivision of public  
 M.D.B. & M., or at a point which bears S. 23° 54' W., a distance of 9360' to  
survey, and by course and distance to a section corner. If on unsurveyed land, it should be so stated.  
 the NE corner of Section 6, T.1S., R.39E., M.D.B. & M.

6. Place of use SW¼ SE¼ Section 29, T.1N., R.38½E., M.D.B. & M.  
Describe by legal subdivision. If on unsurveyed land, it should be so stated.

7. Use will begin about January 1 and end about December 31, of each year.  
Month and Day Month and Day

8. Description of proposed works. (Under the provisions of NRS 535.010 you may be required to submit plans and specifications of your diversion or storage works.) Geothermal Well  
State manner in which water is to be diverted, i.e. diversion structure, ditches and flumes, drilled well with pump and motor, etc.

9. Estimated cost of works \$1 to \$1.5 million

10. Estimated time required to construct works 1 year  
If well completed, describe works.

11. Estimated time required to complete the application of water to beneficial use 5 years

12. Remarks: For use other than irrigation or stock watering, state number and type of units to be served or annual consumptive use.

Production well to develop geothermal resources. There will be no  
consumptive use under this application.

By s/James P. Haddan  
 JAMES P. HADDAN, P.E., R.L.S., Agent  
 1807 North Nevada Street  
 Carson City, Nevada 89701

Compared bl/dcb dcb/br

Protested \_\_\_\_\_

APPROVAL OF STATE ENGINEER

This is to certify that I have examined the foregoing application, and do hereby grant the same, subject to the following limitations and conditions:

This permit is issued subject to existing rights. It is understood that the amount of geothermal fluid herein granted is only a temporary allowance and that the final right obtained under this permit will be dependent upon the amount actually placed to beneficial use. It is also understood that this right must allow for a reasonable decrease of fluid pressure and heat. The well shall be equipped and maintained to prevent any waste of the geothermal fluid. Accurate measurements must be kept of discharge of the production and the amount of fluid injected into the injection well to determine the total amount of fluid consumed for a beneficial use.

The production and injection well is to be cemented from the producing levels to the surface to protect fresh water zones. This permit is issued subject to the condition that only geothermal fluids are to be diverted and used beneficially for heating purposes and fresh, cold water aquifers are not to be diverted. The used geothermal fluids are to be returned to the source via the injection well. The issuance of this permit does not waive the requirements that the permit holder obtain other permits from State, Federal and local agencies. A detailed log on the injection well and/or other analyses of the system used for returning the used geothermal to the source must be submitted together with the Proof of Completion.

PERMIT TERMS CONTINUED ON NEXT PAGE.

The amount of water to be appropriated shall be limited to the amount which can be applied to beneficial use, and not to exceed 8.96 cubic feet per second.

Work must be prosecuted with reasonable diligence and be completed on or before February 29, 1987

Proof of completion of work shall be filed before March 29, 1987

Application of water to beneficial use shall be made on or before February 29, 1992

Proof of the application of water to beneficial use shall be filed on or before March 29, 1992

Map in support of proof of beneficial use shall be filed on or before \_\_\_\_\_

Completion of work filed \_\_\_\_\_ IN TESTIMONY WHEREOF, I PETER G. MORROS

State Engineer of Nevada, have hereunto set my hand and the seal of

Proof of beneficial use filed \_\_\_\_\_ my office, this 29th day of MARCH

Cultural map filed \_\_\_\_\_

A.D. 19 84

Certificate No. \_\_\_\_\_ Issued \_\_\_\_\_

*[Signature]*  
 State Engineer

218 (Rev.)

FEB 21 1992

STATE ENGINEER

An annual report for this well must be filed under this permit describing the amount of geothermal fluid consumed to a beneficial use for the calendar year. This report must also detail the amount of fluid produced and injected.

The total withdrawal of the geothermal fluid shall be limited to 6485.2 acre-feet per year but the total consumptive use of the geothermal fluid is limited to 1297.0 acre-feet per year.

